



Natural Resources Conservation Service
210 Walnut Street, Room 693
Des Moines, IA 50309-2180

August 7, 2008

NATIONAL ENGINEERING MANUAL
210-V-AMENDMENT IA34 – PART 511

SUBJECT: ENG – IOWA STANDARD DRAWINGS

Purpose: This amendment transmits page IA511-7(2).

Effective Date: This amendment is effective upon receipt.

Explanation of Amendment: This amendment defines and clarifies the categorization and numbering sequence by which Iowa NRCS standard drawings will be identified. This amendment also describes the review, approval, modification, and update process which shall be followed when utilizing standard drawings.

Filing Instructions:

Insert page IA511-7(2) after page IA511-7(1).

A handwritten signature in cursive script, appearing to read "Richard Sims".

Richard Sims
State Conservationist

Attachment

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EN2
RC&D
SCE's Central Region
SO Contracting

PART 511 – DESIGN

SUBPART A – PROCEDURES

§IA511.08(b) Construction Plans

IA511.08(b)(7)(i)

- (1) Iowa standard drawings and standard details shall be used to the maximum extent possible to facilitate the consistent and efficient production of construction plans.
- (2) The official version of all Iowa standard drawings and standard details shall be posted on the Iowa NRCS web page or other NRCS sponsored sources such as the eFOTG.
- (3) All standard drawings, whether used individually or as part of a set of plans, shall be reviewed and approved as per NRCS NEM Section 501 "AUTHORIZATIONS." If a standard drawing or standard detail is changed from its original design, the approval to use the altered drawing or detail must be obtained from the state conservation engineer.
- (4) Iowa standard drawings shall be categorized by the practice grouping and four digit drawing number(s). Each standard drawing will have an individual drawing name, four digit number, and a revision or approval date. The drawing categories and associated number ranges are defined in Table 1 below:

Table 1. Iowa Standard Drawing Organizational Chart

Drawing Category / Practice Groupings	Contents	Number Range
General Drawings	Template drawings for cover page, title sheets, plan views, cross-sections, etc.	1000 – 1099
Dams, Ponds, and Other Water Detention Structures	All water detention structures and appurtenances	1100 – 1299
Wetlands	Wetland structures and practices	1300 – 1399
In-Channel Structures	Grade stabilization structures, channel crossings, stream bank stabilization structures, etc.	1400 – 1499
Erosion and Water Management Practices	Common erosion control practices (i.e.: terrace, grassed waterway, underground outlet, etc.)	1500 – 1599
Waste Management Structures	Manure storage structures and manure management structural practices	1600 – 1799
Other Livestock	Livestock related structures (i.e.: watering facilities, roof structures, pipelines, etc.)	1800 – 1899
Miscellaneous Drawings	Other drawings (i.e.: fence, irrigation, etc.)	1900 – 1999

- (5) Existing Iowa standard drawings that have not been updated to a new four digit identification designation shall be valid and technically supported until such time the drawing is updated and reposted.
- (6) Technical errors or deficiencies found on an Iowa standard drawing shall be reported to the state conservation engineer immediately.
- (7) Requests for new standard drawings or the use of NRCS standard drawings from other states shall be made to the state conservation engineer.

IA511-7(2)